

**Notice of Allowability**

Application No.

09/483,358

Examiner

Jung W. Kim

Applicant(s)

HAMANN ET AL.

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**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 7 April 2005.
2. ☒ The allowed claim(s) is/are 1-3,6,7,13,15 and 19-31.
3. ☒ The drawings filed on 23 February 2004 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with James E. Murray on May 23, 2005.

The application has been amended as follows:

In the claims:

Claim 1, Line 2 (preamble): replace "several keys, wherein" with –several keys of a user, wherein–.

Claim 1, Line 25 (step i): replace "supplementary certificate of step f) the redundant information recited" with –supplementary certificate of step f) the redundant information recited in–.

Cancel Claim 8.

Cancel Claim 12.

Claim 15, Line 1 (preamble): replace "The method of claim 13, for determining if the chipcard contains a" with –The method of claim 13 including the step of determining if the chipcard contains a—

Claim 19, Lines 1-6 (preamble): replace "A computer program product on a computer usable medium for creating certificates to certify several keys sharing

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redundant information, wherein a certificate comprises a defined number of data elements which at least contain information on the certification body or issuer to the certificate, the user of the certificate and the key certified by the certificate, said computer program product comprising:" with –A computer program product on a computer usable hardware medium for creating certificates to certify several keys sharing redundant information, wherein a certificate comprises a defined number of data elements which at least contain information on a certification body or issuer to the certificate, a user of the certificate and a key certified by the certificate, said computer program product comprising:--.

Claim 19, Line 12 (step b): replace "the several keys of respective user" with –the several keys of the user--.

Claim 19, Line 32 (step j): replace "future key" with –new key--.

Claim 22, Line 1 (preamble): replace "The computer program product in accordance with Claim 19, more than one" with –The computer program product in accordance with Claim 19, where more than one--.

Claim 22, Line 11 (step cc): replace "software code for generation of a digital signature for the certificate" with –software code for generation of a digital signature for the group certificate--.

Claim 22, Line 13 (step dd): replace "software code for addition of the digital signature to the certificate" with –software code for addition of the digital signature to the group certificate--.

Claim 23, Line 10 (8<sup>th</sup> data element): replace "validity" with –a validity period of the certificate--.

Claim 25, Line 8 (6<sup>th</sup> data element): replace "identifying characteristic of the basic certificate" with –the identifying characteristic of the basic certificate--.

Claim 29, Line 8 (step bb): replace "gro9up" with –group--.

Claim 30, Line 10 (8<sup>th</sup> data element): replace "validity" with –a validity period of the certificate--.

Claim 31, Lines 1-2 (preamble): replace "The method of Claim 29 for determining if the chipcard contains a relevant key in the chipcards nonvolatile storage medium to sign a message" with –The method of Claim 29 including the step of determining if the chipcard contains a relevant key in the chipcards nonvolatile storage medium to sign a message, comprising--.

Claim 31, Line 7 (step c): replace "reading-in of the supplementary certificate into the chipcard RAM" with –reading-in of the supplementary certificate into a RAM of the chipcard--.

1. The following is an examiner's statement of reasons for allowance: in view of applicant's arguments on pgs. 21-24 and amended independent claims 1 and 19, and new independent claim 26, the rejections of these claims are withdrawn: the prior art of record discloses primary certificates used in conjunction with attribute certificates, as well as certificates containing a plurality of certificate keys for a user, and database organizational schemes wherein principle information redundant across multiple sets of

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information is consolidated (primary key tables and foreign key tables); however, the explicit feature of creating a basic certificate for use in connection with several keys of the user, the basic certificate storing redundant data elements for each of the several of keys of the user, and creating a plurality of supplemental certificates or a single group certificate associated with the basic certificate in that each supplemental certificate contains a certified key for the user and does not recite redundant data elements contained in the basic certificate, as recited in the independent claims are not taught nor suggested by the prior art record neither individually nor in combination. Therefore, claims 1-3, 6, 7, 13, 15 and 19-31 are allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jung W. Kim whose telephone number is (571) 272-3804. The examiner can normally be reached on M-F 9:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on (571) 272-3799. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

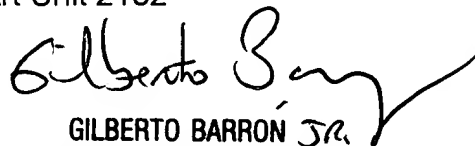
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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jk  
May 23, 2005



Jung W Kim  
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